United States Government **Department of Energy**

memorandum

National Nuclear Security Administration
Los Alamos Site Office
Los Alamos, New Mexico 87544

DATE: April 15, 2004
REPLY TO ATTN OF: SABT/JWH-04-008
SUBJECT: Los Alamos Nuclear Facilities List, Revision 4

TO: James W. Angelo, Division Leader, Performance Surety Division, C347
Attn: Dave Satterwhite, PS-4, K561

The Los Alamos Site Office (LASO) has reviewed revision 4 of the Los Alamos National Laboratory's Nuclear Facilities List. The list provides a compilation of hazard category 2 and 3 nuclear facilities at the Los Alamos National Laboratory (LANL). The list provides the basis for determining the applicability of the Department of Energy (DOE) nuclear facility requirements.

The nuclear facility list is periodically revised to reflect changes that occur in facility status. For example, a final hazard categorization or the movement, relocation or final disposition of radioactive inventory. LANL will need to ensure that changes reflected in Revision 4 of the nuclear facility list are properly reflected into the current Authorization Agreements for each nuclear facility.

Revision 4 comprises the official list of Nuclear Hazard Category 2 and 3 facilities and Revision 4 is approved and supercedes the July 23, 2003 Revision 3 DOE/LANL Nuclear Facilities List.

If you should have any questions please contact Joe Houghton of the Safety Authorization Basis Team staff at (505) 667–6778.

Edwin L. Wilmot
Manager

This document is determined to be UNCLASSIFIED and contains no UCNI
Joseph W. Houghton, ADC 4/15/04

Attachment

Cc w/attachment:

James W. Angelo 2

X. Ascanio, NA-124, HQ/GTN
S. Pierpoint, NA-124.1, HQ/GTN
E. Wilmot, Manager, LASO
E. Martinez, Deputy Manager, LASO
G. Schlapper, SSA, LASO
C. Steele, SABM, LASO
H. LeDoux, OPM, LASO
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Action Joe

Received by RC 2/23/04 1:53 pm

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Ideas That Change the World

James W. Angelo, Division Leader
Performance Surety Division
P.O. Box 1663, Mail Stop C347
Los Alamos, New Mexico 87545
505-665-5550/Fax 505-665-0318

Date: February 19, 2004
Refer To: PS-DO:04-020

Mr. Christopher Steele
Senior Authorization Basis Manager
U.S. Department of Energy/Los Alamos Site Office
MS A316
Los Alamos, NM 87545

Dear Mr. Steele,

The attached document, *DOE/LANL List of Los Alamos National Laboratory Nuclear Facilities*, has been updated to reflect the current safety basis information on the Laboratory nuclear facilities. The Laboratory intends to review and update this document annually or whenever a significant change, such as the addition or deletion of a nuclear facility, occurs.

Please review and concur with the document as the SABM and LASO Manager by signing page ii, then return the signed original to PS-4 with a recommended DOE distribution. This office will provide the production and distribution, and will post it on the Laboratory's internal web site.

If you have any questions regarding this transmittal call Tony Villegas at 665-2478.

Sincerely,

James W. Angelo
Division Leader

Attachments: DOE/LANL List of Los Alamos National Laboratory Nuclear Facilities, Rev 4.

Cy: Dave Satterwhite, PS-4, K561
Tony Villegas, PS-4, K561
PS-4 Files
PS-DO Files

Performance Surety Division	Documentation and Records	PS-SBO 401 Rev. 4 February 17, 2004

DOE/LANL LIST OF LOS ALAMOS NATIONAL LABORATORY NUCLEAR FACILITIES

U.S. Department of Energy
National Nuclear Security Administration
Los Alamos Site Office

Los Alamos National Laboratory
Performance Surety Division
Safety Basis Office (PS-4)

LANL Nuclear Facility List PS-OAB-401, Rev. 4

APPROVED FOR USE	
LANL PS-SBO Office Leader	2/18/04 Date
NNSA-LASO Senior Authorization Basis Manager	4/15/04 Date
LASO Director	4/24/2004 Date

Performance Surety Division	Documentation and Records	PS-SBO 401 Rev. 4 February 17, 2004

DOE/LANL LIST OF LOS ALAMOS NATIONAL LABORATORY NUCLEAR FACILITIES

U.S. Department of Energy
National Nuclear Security Administration
Los Alamos Site Office

Los Alamos National Laboratory
Performance Surety Division

Safety Basis Office (PS-4)

APPROVED FOR USE	
_____ LANL PS-SBO Office Leader	_____ Date
_____ NNSA-LASO Senior Authorization Basis Manager	_____ Date
_____ LASO Director	_____ Date

Record of Revisions

Revision Record		
Revision	Date	Summary
0	April 2000	Original Issue.
1	June 2001	Updated nuclear facility list and modified format.
2	December 2001	Corrected CSOs, referenced DOE approval memo for 10 CFR 830 compliant facilities, new acronym list, and safety basis documentation update since last revision.
3	July 2002	Semi-annual update.
4	February 2004	Update safety basis documentation for Transportation, TA-18 LACEF, TA-8-23 Radiography, TA-21 TSTA, and TA-50 RLWTF. Added 11 Environmental Sites that were categorized as Hazard Category 2 and Hazard Category 3 Nuclear Facilities. TA-21 TSTA, TA-48-1 Radiochemistry, and TA-50 RAMROD were downgraded to Radiological Facilities and removed from this list. The facility contacts were changed from the Facility Manager and Facility Operations to Responsible Division Leader and Facility Management Unit.

Changes in Nuclear Facility Status

Date	Description
3/97	Omega West Reactor (OWR), TA-2-1, downgraded from hazard category 2 reactor facility to a radiological facility. OWR removed from the nuclear facilities list.
9/98	Safety Analysis Report (SAR) approved accepting the Radioactive Materials, Research, Operations, and Demonstration Facility (RAMROD), TA-50-37, as a hazard category 2 nuclear facility. RAMROD added to the nuclear facilities list.
9/98	TA-35 Buildings 2 and 27 downgraded from a hazard category 2 nuclear facility to a hazard category 3 nuclear facility.
9/98	Basis of Interim Operations (BIO) approved accepting the Los Alamos Neutron Science Center (LANSCE) A-6 Isotope Production and Materials Irradiation and 1L Manuel Lujan Neutron Scattering Center (MLNSC) Target Facilities as hazard category 3 nuclear facilities.
10/98	TA-8 Radiography Facility Buildings 24 and 70 downgraded from hazard category 2 nuclear facilities to radiological facilities.
11/98	Health Physics Calibration Facility (TA-3 SM-40, SM-65 and SM-130) downgraded from a hazard category 2 nuclear facility to a radiological facility. SM-40 and SM-65 had been hazard category 2 nuclear facilities while SM-130 had been a hazard category 3 nuclear facility. Health Physics Calibration Facility removed from the nuclear facilities list.
12/98	Radioactive Liquid Waste Treatment Facility (RLWTF) downgraded from a hazard category 2 nuclear facility to a hazard category 3 nuclear facility.
1/99	Pion Scattering Experiment of the TA-53 Nuclear Activities at Los Alamos Neutron Science Center (LANSCE) removed from the nuclear facilities list.
2/00	Building TA-50-190, Liquid Waste Tank, of the Waste Characterization Reduction and Repackaging Facility (WCRRF) removed from the nuclear facilities list.
3/00	DOE SER clarifies segmentation of the Waste Characterization Reduction and Repackaging Facility (WCRRF) as: 1) Building TA-50-69 designated as a hazard category 3 nuclear facility, 2) an outside operational area designated as a hazard category 2 nuclear facility, and 3) the Non-Destructive Assay (NDA) Mobile Facilities located outside TA-50-69 and designated as a hazard category 2 nuclear facility.
4/00	Building TA-3-159 of the TA-3 SIGMA Complex downgraded from hazard category 3 nuclear facility to a radiological facility and removed from the nuclear facilities list.
4/00	TA-35 Nonproliferation and International Security Facility Buildings 2 and 27 downgraded from hazard category 3 nuclear facilities to radiological facilities and removed from the nuclear facilities list.
3/01	TA-3-66, Sigma Facility, downgraded and removed from this nuclear list.
5/01	TA-16-411, Assembly Facility, downgraded and removed from this nuclear list.
5/01	TA-8-22, Radiography Facility, downgraded and removed from this nuclear list.
6/01	Site Wide Transportation added as a nuclear activity (included in 10 CFR 830 plan).
9/01	TA-53 LANSCE, WNR Target 4 JCO approved as hazard category 3 nuclear activity.
10/01	TA-53 LANSCE IL JCO in relation to changes in operational parameters of the coolant system with an expiration date of 1/31/02.
10/01	TA-53 LANSCE Actinide BIO approved as hazard category 3 nuclear activity.
3/02	TA-33-86, High Pressure Tritium Facility (HPTF) removed from nuclear facilities list.
4/02	TA-53 LANSCE, DOE NNSA approves BIO for Storing Activated Components (A6, etc.) in Bldg 53-3 Sector M “Area A East” and added as hazard category 3 nuclear activity.
7/02	TA-53 LANSCE, WNR Facility Target 4 downgraded to below hazard category 3 and removed

Changes in Nuclear Facility Status

Date	Description
	from the nuclear facilities list.
1/03	TA-50 Radioactive Materials, Research, Operations, and Demonstration (RAMROD) facility was downgraded to below hazard category 3 and removed from the nuclear facilities list.
6/03	TA-48-1, Radiochemistry and Hot Cell Facility was downgraded to below hazard category 3 and removed from the nuclear facilities list.
7/03	TA-21 Tritium System Test Assembly (TSTA) facility was downgraded to below hazard category 3 and removed from the nuclear facilities list.
11/03	TA-10 PRS 10-002(a)-00 (Former liquid disposal complex) environmental site was categorized as a hazard category 3 nuclear facility
11/03	TA-21 PRS 21-014 (Material Disposal Area A) environmental site was categorized as a hazard category 2 nuclear facility
11/03	TA-21 PRS 21-015 (Material Disposal Area B) environmental site was categorized as a hazard category 3 nuclear facility
11/03	TA-21 PRS 21-016(a)-99 (Material Disposal Area T) environmental site was categorized as a hazard category 2 nuclear facility
11/03	TA-35 PRS 35-001 (Material Disposal Area W, Sodium Storage Tanks) environmental site was categorized as a hazard category 3 nuclear facility
11/03	TA-35 PRS 35-003(a)-99 (Wastewater treatment plant (WWTP)) environmental site was categorized as a hazard category 3 nuclear facility
11/03	TA-35 PRS 35-003(d)-00 (Wastewater treatment plant – Pratt Canyon) environmental site was categorized as a hazard category 3 nuclear facility
11/03	TA-49 PRS 49-001(a)-00 (Material Disposal Area AB) environmental site was categorized as a hazard category 2 nuclear facility
11/03	TA-50 PRS 50-009 (Material Disposal Area C) environmental site was categorized as a hazard category 2 nuclear facility
11/03	TA-53 PRS 53-006(b)-99 (Underground tank with spent resins) environmental site was categorized as a hazard category 2 nuclear facility
11/03	TA-54 PRS 54-004 (Material Disposal Area H) environmental site was categorized as a hazard category 3 nuclear facility

FORWORD

1. This joint U.S. Department of Energy (DOE), National Nuclear Security Administration (NNSA), Los Alamos Site Office (LASO) and Los Alamos National Laboratory (LANL), Performance Surety (PS) Division document has been prepared by the LASO Safety Authorization Basis Team (SABT) and the Safety Basis Office (SBO) at LANL. This document provides a tabulation and summary information concerning hazard category 2 and 3 nuclear facilities at LANL.

2. This nuclear facility list will be updated to reflect changes in facility status caused by inventory reductions, final hazard classifications, exemptions, facility consolidations, and other factors.

3. DOE-STD-1027-92 methodologies are the bases used for identifying nuclear facilities to be included in this standard. Differences between this document and other documents that identify nuclear facilities may exist as this list only covers nuclear hazard category 2 and 3 facilities that must comply with the requirements stipulated in 10 CFR 830, Subpart B. Other documents might include facilities that have inventories below the nuclear hazard category 3 threshold, such as radiological facilities.

LIST OF ACRONYMS AND ABBREVIATIONS

Term	Meaning
ARIES	Advanced Recovery and Integration Extraction System
BIO	basis for interim operations
BUS	Business Operations (Division)
C	Chemistry (Division)
CFR	Code of Federal Regulations
CMR	Chemistry and Metallurgy Research (Facility)
CSO	cognizant secretarial officer
DD	Division Director
DOE	U.S. Department of Energy
DOE/AL	DOE Albuquerque Operations
DP	Defense Programs (DOE)
DSA	documented safety analysis
EM	Environmental Management (DOE)
ESA	Engineering Sciences and Applications (Division)
ESH	Environment, Safety and Health (Division)
F&IB	Feedback and Improvement Board
FSAR	final safety analysis report
FM	facility management
FMU	facility management unit
FWO	Facility and Waste Operations (Division)
HA	hazard analysis
HC	hazard category
HPTF	High Pressure Tritium Facility
HSR	Health, Safety and Radiation
IAW	in accordance with
IFIT	Isotopic Fuel Impact Test
ITSR	interim technical safety requirements
JCO	justification for continued operations
LACEF	Los Alamos Criticality Experiment Facility
LANL	Los Alamos National Laboratory
LANSCE	Los Alamos Neutron Science Center
LASO	Los Alamos Site Office
LLW	low-level waste
MER	management evaluation report
MDA	material disposal area
MLNSC	Manuel Lujan Neutron Scattering Center
N	Nuclear Nonproliferation Division
NIS	Nonproliferation and International Security (Division) (name changed to Nuclear Nonproliferation Division)
NDA	non-destructive assay
NMT	Nuclear Materials Technology (Division)
NNSA	National Nuclear Security Administration

NSM Rule .....Nuclear Safety Management Rule, 10 CFR 830
NTTL .....neutron tube target loading
OAB .....Office of Authorization Basis
OLASO .....Office of Los Alamos Site Operation
OSR.....operational safety requirement
OWR .....Omega West Reactor
PRS .....Potential Release Site
PS .....Performance Surety (Division)
Pu .....plutonium
RAMROD.....Radioactive Material, Research, Operations, and Demonstration (Facility)
RANT.....Radioactive Assay Nondestructive Testing (Facility)
RDL.....Responsible Division Leader
Rev. .....revision
RLWTF.....Radioactive Liquid Waste Treatment Facility
SA .....safety assessment
SAR.....safety analysis report
SB.....safety basis
SBO.....Safety Basis Office
SER .....safety evaluation report
SM.....South Mesa
STD .....standard
SUP .....Supply Chain Management (Division) (formerly known as BUS)
TA .....technical area
TBD.....to be determined
TRU.....transuranic
TSD .....transportation safety document
TSE .....Tritium Science Engineering (Group)
TSFF .....Tritium Science and Fabrication Facility
TSR .....technical safety requirement
TSTA.....Tritium Systems Test Assembly (Facility)
TWISP.....Transuranic Waste Inspectable Storage Project
USQ.....unreviewed safety question
WCRRF.....Waste Characterization, Reduction and Repackaging Facility
WETF.....Weapons Engineering Tritium Facility
WSDF .....Waste Storage and Disposal Facility

1 SCOPE

Standard DOE-STD-1027-92, Change 1, *Hazard Categorization and Accident Analysis Techniques for Compliance with DOE Order 5480.23, Nuclear Safety Analysis Reports,* provides methodologies for the hazard categorization of DOE facilities based on facility material inventories and material at risk. This document lists hazard category 2 and 3 nuclear facilities because they must comply with requirements in Title10, *Code of Federal Regulations,* Part 830, Nuclear Safety Management, Subpart B, "Safety Basis Requirements." The Los Alamos National Laboratory (LANL) nuclear facilities that are below hazard category 3 (radiological facilities) have not been included on this list because they are exempt from the requirements in 10 CFR 830, Subpart B.

2 PURPOSE

This standard provides a list of hazard category 2 (HC2) and 3 (HC3) nuclear facilities at LANL. The list will be revised, as appropriate, to reflect changes in facility status resulting from final hazard categorization or movement, relocation, or final disposal of radioactive inventories. The list shall be used as the basis for determining initial applicability of DOE nuclear facility requirements. The list now includes site wide transportation and environmental sites per the requirements of 10 CFR 830, Subpart B.

3 APPLICABILITY

This standard is intended for use by NNSA and contractors with responsibilities for facility operation and/or oversight at LANL.

4 REFERENCES

4.1 49 CFR 173.469, Title 49, *Code of Federal Regulations,* Part 173 "Shippers - General Requirements for Shipments and Packagings."

4.2 DOE O 420.2, Change 1, *Safety of Accelerator Facilitie*s, USDOE, 5/26/99.

4.3 DOE-STD-1027-92, Change 1, *Hazard Categorization and Accident Analysis Techniques for Compliance with DOE Order 5480.23, Nuclear Safety Analysis Reports,* USDOE, 9/97.

4.4 10 CFR 830, Title 10, *Code of Federal Regulations,* Part 830, "Nuclear Safety Management."

4.5 ANSI N43.6, American National Standards Institute (ANSI) N43.6, "American National Standard for General Radiation Safety—Sealed Radioactive Sources, Classification".

5 NUCLEAR FACILITIES LIST

Table 5-1 identifies all HC2 and HC3 nuclear facilities at LANL. Facilities have been categorized based on criteria in DOE-STD-1027-92, Change 1. Site, zone or area, building number, name, and dominant hazard category identifies each facility. The dominant hazard category is determined by identifying the highest hazard category for multi-process facilities. Buildings, structures, and processes addressed by a common documented safety analysis have

been designated as a single facility. DOE-STD-1027-92, Change 1, permits exclusion of sealed radioactive sources from a radioactive inventory of the facility if the sources were fabricated and tested in accordance with 49 CFR 173.469 or ANSI N43.6. In addition, material contained in U.S. Department of Transportation (DOT) Type B shipping containers may also be excluded from radioactive inventory. Facilities containing only material tested or stored in accordance with these standards do not appear in the list and tables that follow.

TABLE 5-1. List of LANL Nuclear Facilities

HAZ CAT	FACILITY NAME	TABLE No.	PAGE No.
2	TA-3 Chemistry and Metallurgy Research Facility (CMR)	6-1	3
2	TA-8 Radiography Facility	6-2	4-5
3	TA-10 PRS 10-002(a)-00 (Former liquid disposal complex)	6-3	6
2	TA-16 Weapons Engineering Tritium Facility (WETF)	6-4	7
2	TA-18 Los Alamos Critical Experiment Facility (LACEF) and Hillside Vault	6-5	8
2	TA-21 Tritium Science and Fabrication Facility (TSFF)	6-6	9
2	TA-21 PRS 21-014 (MDA A)	6-7	10
3	TA-21 PRS 21-015 (MDA B)	6-8	11
2	TA-21 PRS-21-016(a)-99 (MDA T)	6-9	12
3	TA-35 PRS 35-001 (MDA W - Sodium Storage Tanks)	6-10	13
3	TA-35 PRS 35-003(a)-99 (Wastewater Treatment Plant (WWTP))	6-11	14
3	TA-35 PRS 35-003(d)-00 (Wastewater Treatment Plant (Pratt Canyon))	6-12	15
2	TA-49 PRS 49-00(a)-00 (MDA AB)	6-13	16
3	TA-50 Radioactive Liquid Waste Treatment Facility (RLWTF)	6-14	17
2	TA-50 Waste Characterization Reduction and Repackaging Facility (WCRRF)	6-15	18-19
2	TA-50 PRS 50-009 (MDA C)	6-16	20
3	TA-53 Los Alamos Neutron Science Center (LANSCE) 1L Target	6-17	21-22
3	TA-53 LANSCE Lujan Center ER-1/2 Actinide	6-17	21-22
3	TA-53 LANSCE Storage of Activated Components/Targets (A-6, etc.) in Building 53-3, Sector M Area A East	6-17	21-22
2	TA-53 PRS 53-006(b)-99 (Underground tank with spent resin)	6-18	23
2	TA-54 Waste Storage and Disposal Facility (Area G)	6-19	24
2	TA-54 Transuranic Waste Inspectable Storage Project (TWISP)	6-20	25
3	TA-54 Radioactive Assay Nondestructive Testing (RANT) Facility	6-21	26
3	TA-54 PRS 54-004 (MDA H)	6-22	27
2	TA-55 Plutonium Facility	6-23	28-29
2	Site Wide Transportation	6-24	30

Summary of Table 5-1:

15 Hazard Category 2 Nuclear Facilities
11 Hazard Category 3 Nuclear Facilities

26 Total Nuclear Facilities

6 LANL NUCLEAR FACILITIES SUMMARY TABLES

The following tables summarize safety basis information for each nuclear facility identified in Table 5-1.

TABLE 6-1. LANL TA-3 Chemistry and Metallurgy Research Facility Summary

SITE: **LANL**		
CSO: **DP**	FACILITY: **TA-3 Chemistry and Metallurgy Research Facility (CMR)** RESPONSIBLE DIVISION LEADER: NMT Division FACILITY MANAGEMENT UNIT: 9	HAZ CAT: **2**

ZONE	BUILDING	DESCRIPTION	HAZ. CAT.
TA-3	0029	Actinide chemistry and metallurgy research and analysis	2

Current Safety Basis: BIO; Management Evaluation Report (MER); Interim Technical Safety Requirements (ITSR) Rev 5.1, NMT-TSR-002, R5.1; DOE White Paper, "Strategy for Managing Risks at the CMR Facility at Los Alamos National Laboratory;" and approved USQs. 10 CFR 830, Subpart B compliant.

Laboratory Documents	DOE Documents
CMR Basis for Interim Operations, dated August 26, 1998.	*Management Evaluation Report for the Chemistry and Metallurgy Research (CMR) Facility Basis for Interim Operations (BIO)* dated August 1998. Memorandum from Glenn (LAAO) to Matthews (LANL) dated August 31, 1998 (approval of BIO). DOE White Paper, "Strategy for Managing Risks at the CMR Facility at Los Alamos National Laboratory" (Revision 3, 12/18/98).
NMT13-TSR-002, R04, *CMR Interim Technical Safety Requirements*, dated January 31, 2001, and related page changes dated 10/11/01, 11/28/01, and 1/27/2003.	DOE/LAAO/SABT/3DN-004 Memorandum from C. Steele to T. George, LANL; Approval of CMR ITSR, Rev. 4, July 20, 2001, and approval of subsequent page changes dated 10/11/01 and 11/29/01.
LANL Memorandum FWO-OAB:01-025, Subject: Notification to DOE of Nuclear Facilities that Comply with 10 CFR 830, Subpart B, April 1, 2001.	DOE/LAAO/SABT/RXT Memorandum, Notification of Nuclear Facilities Complying with 10 CFR 830, Subpart B, May 17, 2001.
LANL Memorandum NMT-DO(U):03-001, Subject: CMR Technical Safety Requirement (TSR) Revision, January 27, 2003.	DOE/LASO/SABM/8RC-001 Memorandum, Chemistry and Metallurgy Research (CMR) Facility Technical Safety Requirements Revision, August 4, 2003.
Management Evaluation Report (MER) for the Chemistry and Metallurgy Research Facility Basis for Interim Opeation (BIO), 8/1998	

TABLE 6-2. LANL TA-8 Radiography Facility Summary

SITE: **LANL**		
CSO: **DP**	FACILITY: **TA-8 Radiography Facility** RESPONSIBLE DIVISION LEADER: ESA FACILITY MANAGEMENT UNIT: 5	HAZ CAT: **2**

ZONE	BUILDING	DESCRIPTION	HAZ. CAT.
TA-8	0023	Radiography Facility	2

Current Safety Basis Approved JCO extended until receipt of a SER and until the DSA is approved. DSA under review by NNSA

Laboratory Documents	DOE Documents
Extension of the Justification for Continued Operations at TA-8 Building 23, Radiography Facility, ESA-AET:03-159, Dated: 8/4/2003. Approval signature by NNSA-LASO SABM 8/18/2003.	
LANL Memorandum ESA-AET:03-83 from Paul Wantuck to C. Steele, OLASO/SABM, dated March 12, 2003, Subject: Continuation of operation of the TA-8-23 radiography facility after expiration of the JCO.	Subject: Continuation of Operations of the TA-8-23 Radiography Facility dated April 9, 2003, from C. Steele.
LANL Memorandum ESA-AET: 03-111 from Dale S. Anaya, to C. Steele, OLASO/SABM, dated April 15, 2003, Subject: Response to Memorandum SABT/RXT.42 dated April 9, 2003.	Subject: Continuation of Operations of the TA-8-23 Radiography Facility dated April 18, 2003, from C. Steele.
Justification for Continued Operation for TA-8-23 Radiography Facility, ESA-FM-ESH-JCO.001.01, dated April 6, 2001.	DOE/LAAO Memorandum SABT LK008, C. M. Steele (DOE/LAAO/SABM) to E. M. Hanson (ESA-DD) Subject: Approval of TA-8 Radiography Facility, Building 23, Justification for Continued Operations (JCO), dated October 29, 2001.
Addendum to Justification for Continued Operation for TA-8-23, ESA-FM-ESH-JCO.001, dated December 2, 2001.	Memorandum from C. M. Steele (DOE/LAAO/SABM) to E. M. Hanson (ESA-DD) Subject: Approval of Addendum to TA-8-23 JCO to Correct Deficiencies in the Analysis which Prevented the Approved JCO from Adequately Supporting the Programmatic Mission, dated December 2, 2001.
Memorandum ESA-AET:02-49, from D. Anaya, ESA-AET, to C. Steele, DOE-NNSA Subject: Authorization Basis Addendum For Test Assembly Evaluation (U), dated January 10, 2002, (forwards *Hazard Assessment for Test Assembly Radiography Facility Building TA-8-23* dated January 2002).	Memorandum SABM Steele--TA-8-23 Final Addendum Approval from C.M. Steele, SABM, to E.M Hanson, ESA-DD, Subject: Approval of Final Authorization Bases Addendum for Test Assembly Evaluation, dated January 11, 2002.
LANL Memorandum PA-OAB: 02-001, D. Post, PA-DO to C. Steele, OLASO/SABM, Subject: Request for Approval Concerning Safety Basis Documents, dated April 12, 2002.	JCO extended to December 31, 2002. Ref: D. Post to C. Steele memorandum, Subject: Request for Approval concerning Safety Basis Documents, dated April 12, 2002. NNSA provided concurrence.

Documented Safety Analysis for TA-8, Building 23 Radiography Facility, LA-CP-02-380, September 9, 2002 (first submittal), March 28, 2003, (second submittal) (includes Technical Safety Requirements).	Under review by NNSA.

TABLE 6-3. PRS 10-002(a)-99 Summary

SITE: **LANL**		
CSO: **EM**	FACILITY: **PRS 10-002(a)-99 (Former liquid disposal complex)** RESPONSIBLE DIVISION LEADER: RRES FACILITY MANAGEMENT UNIT:	HAZ CAT: **3**

ZONE	PRS	DESCRIPTION	HAZ. CAT.
TA-10	10-0029(a)-99	PRS 10-002(a)-99 is associated with the former liquid disposal complex serving the radiochemistry laboratory at TA-10. The complex discharged to leach fields and pits. The entire complex underwent D&D in 1963. All above ground and below ground structures were removed. The remaining materials were placed in a pit that remains in place.	3

Current Safety Basis: DSA is under development

Laboratory Documents	DOE Documents
Subject: Initial Categorization of Environmental Sites, November 21, 2003 RRES-DO:03-138 (Memo requests categorization of the PRS sites)	*Subject: New Categorization of Existing Nuclear Facilities at LANL, November 26, 2003* (Memo concurs with the categorizations)

TABLE 6-4. LANL TA-16 Weapons Engineering Tritium Facility Summary

SITE: **LANL**		
CSO: **DP**	FACILITY: **TA-16 Weapons Engineering Tritium Facility (WETF)** RESPONSIBLE DIVISION LEADER: ESA FACILITY MANAGEMENT UNIT: 5	HAZ CAT: **2**

ZONE	BUILDING	DESCRIPTION	HAZ. CAT.
TA-16	0205	Tritium Research	2

Current Safety Basis: DSA and TSR approved by SER; 10 CFR 830, Subpart B compliant.

Laboratory Documents	DOE Documents
Weapons Engineering Tritium Facility (WETF) Final Safety Analysis Report (FSAR), WETF-FSAR, R0, dated January 22, 2002. *Weapons Engineering Tritium Facility (WETF) Technical Safety Requirements (TSRs)*, WETF-TSR, R0 dated January 22, 2002.	*Safety Evaluation Report (SER) for WETF*, SER-Rev. 0, U.S. Department of Energy, National Nuclear Security Administration, Office of Los Alamos Site Operations, dated March 27, 2002. DOE approval memo (SABT:LK-006); Subject: Transmittal of Approval of the SER for the LANL, TA-16, WETF, is dated April 9, 2002. SER approves SAR and TSR of 1/22/02.

TABLE 6-5. LANL TA-18 Los Alamos Critical Experiment Facility Summary

SITE: **LANL**		
CSO: **DP**	FACILITY: **TA-18 Los Alamos Critical Experiment Facility (LACEF)** RESPONSIBLE DIVISION LEADER: N FACILITY MANAGEMENT UNIT: 6	HAZ CAT: **2**

ZONE	BUILDING	DESCRIPTION	HAZ. CAT.
TA-18		Critical experiment site	2

Current Safety Basis: BIO and TSR approved by SER. 10 CFR 830, Subpart B compliant

Laboratory Documents	DOE Documents
(U) *TA-18 Security Enhancement Project Hazards Analysis (SRD-NSI)*, January 9, 2002.	Memorandum for record signed 2/28/02, " (U) Conditions of Approval for TA-18 Security Enhancement Project, Revision 1" (Approved by C. Steele, DOE/NNSA/OLASO/SABM).
Basis for Interim Operations (BIO) for Technical Area 18 (TA-18), Rev. 0, Los Alamos National Laboratory, Los Alamos, NM, March 15, 2002.	Memorandum from C. Steele, NNSA/OLASO/SABT, to H. Hawkins, NIS-DO, Subject: "Transmittal of Approved Safety Evaluation Report (SER) for the Los Alamos National Laboratory (LANL) Technical Area-18 (TA-18) Basis for Interim Operations (BIO) and Technical Safety Requirements (TSRs)" date July 30, 2002.
Technical Safety Requirements (TSRs) for Technical Area 18 (TA-18), Rev. 0, Los Alamos National Laboratory, Los Alamos, NM, March 15, 2002.	

TABLE 6-6. LANL TA-21 Tritium Science and Fabrication Facility Summary

SITE: **LANL**		
CSO: **DP**	FACILITY: **TA-21 Tritium Science and Fabrication Facility (TSFF)** RESPONSIBLE FACILITY MANAGER: ESA FACILITY MANAGEMENT UNIT: 5	HAZ CAT: **2**

ZONE	BUILDING	DESCRIPTION	HAZ. CAT.
TA-21	0209	Stabilization Activities and NTLL Support	2

Current Safety Basis: SA, DOE approval dated 4/9/87. OSRs (revision to 1988 OSRs), DOE approval dated 8/28/96.

Laboratory Documents	DOE Documents
Tritium Science and Fabrication Facility (TSFF), TA-21 Report No. SA 86- 2, *Safety Assessment for the Tritium Salt Facility TA-21-209*, June 1986 revised February 1987.	Memorandum from Schinkle (AL) to Valencia (LAAO), Safety Assessment, Tritium Salt Facility, TA-21-209, LANL, dated April 9, 1987 (found LANL response to AL comments to be satisfactory). Memorandum from Phoenix (LAAO) to Hurdle (LANL) dated April 17, 1987 (not an actual approval memorandum of Safety Assessment).
Basis for Interim Operation for the Tritium Science and Fabrication Facility, Rev-1-94, January 28, 1994.	Authorization Agreement for FMU #70, Tritium Science and Fabrication Facility, July 27, 1999. Memorandum from Schinkle (AL) to Valencia (LAAO), Approval of Non-reactor Nuclear Facility Operational Safety Requirements (OSRs), dated November 29, 1988 (approved OSRs).
TSF-OSR, Rev. 3, *Operational Safety Requirements for the Tritium Science and Fabrication Facility*, November 27, 1996. (Revision of 1988 OSRs).	Memorandum from Roybal (AL) to Todd (LAAO), Proposed Revisions to the Operational Safety Requirements (OSRs) for the Tritium Science and Fabrication Facility (TSFF), August 28, 1996 (approval of proposed revisions to OSRs).
TSF-OSR, Rev. 4, *Operational Safety Requirements for the Tritium Science and Fabrication Facility*, September 30, 1999. (Revision of 1988 OSRs).	Memorandum SABT:6BK-022, from Steele (DOE/LAAO) to Hansen (ESA-DO) Subject: New Material at Risk Limits for Tritium Systems Test Assembly (TSTA) and Tritium Science and Fabrication Facility (TSFF), August 30, 1999 (directed Rev. 4 to TSF-OSR).

TABLE 6-7. LANL PRS 21-014 (MDA A) Summary

SITE: **LANL**		
CSO: **EM**	FACILITY: **PRS 21-014 (MDA A)** RESPONSIBLE DIVISION LEADER: RRES FACILITY MANAGEMENT UNIT: 8	HAZ CAT: **2**

ZONE	PRS	DESCRIPTION	HAZ. CAT.
TA-21	21-014	MDA A is a 1.25 acre site that was used intermittently from 1945 to 1949 and 1969 to 1977 to dispose of radioactively contaminated solid wastes, debris from D&D activities, and radioactive liquids generated at TA-21. The area contains two buried 50,000 gal. storage tanks (the "General's Tanks") on the west side of MDA A, two rectangular disposal pits (each 18 ft long x 12.5 ft wide x 12.5 deep) on the east side of MDA A, and a large central pit (172 ft long x 134 ft wide x 22 ft deep).	2

Current Safety Basis: DSA is under development

Laboratory Documents	DOE Documents
Subject: Initial Categorization of Environmental Sites, November 21, 2003 RRES-DO:03-138 (Memo requests categorization of the PRS sites)	*Subject: New Categorization of Existing Nuclear Facilities at LANL, November 26, 2003* (Memo concurs with the categorizations)
Subject: Status of General's Tanks Relative to 10 CFR 830 Rule, RRES-DO:03-51, May 5, 2003 (Memo Categorizes the General's Tanks as Hazard Category 2 and requests use of a safe harbor method for the DSA development)	*Subject: Proposed Methodology for meeting the 10 CFR 830 Rule for a Documented Safety Analysis (DSA) for the General's Tanks,* May 23, 2003, SABT/JWH.03-001: SABM Steele

TABLE 6-8. LANL PRS 21-015 (MDA B) Summary

SITE: **LANL**		
CSO: **EM**	FACILITY: **PRS 21-015 (MDA B)** RESPONSIBLE DIVISION LEADER: RRES FACILITY MANAGEMENT UNIT: 8	HAZ CAT: **3**

ZONE	PRS	DESCRIPTION	HAZ. CAT.
TA-21	21-015	MDA B is an inactive 6.03 acre disposal site. It was the first common disposal area for radioactive waste generated at LANL and operated from 1945 to 1952. The site runs along the fence line on DP Road and is located about 1600 ft east of the intersection of DB Road and Trinity Drive. The site comprises four major pits (each 300 ft x 15 ft x 12 ft deep), a small trench (40 ft x 2 ft x 3 ft deep), and miscellaneous small disposal sites.	3

Current Safety Basis: DSA is under development

Laboratory Documents	DOE Documents
Subject: Initial Categorization of Environmental Sites, November 21, 2003 RRES-DO:03-138 (Memo requests categorization of the PRS sites)	*Subject: New Categorization of Existing Nuclear Facilities at LANL, November 26, 2003* (Memo concurs with the categorizations)

TABLE 6-9. LANL PRS 21-016(a)-99 (MDA T) Summary

SITE: **LANL**		
CSO: **EM**	FACILITY: **PRS 21-016(a)-99 (MDA T)** RESPONSIBLE DIVISION LEADER: RRES FACILITY MANAGEMENT UNIT: 8	HAZ CAT: **2**

ZONE	PRS	DESCRIPTION	HAZ. CAT.
TA-21	21-016(a)-99	MDA T, an area of about 2.2 acres, consists of four inactive absorption beds, a distribution box, a subsurface retrievable waste storage area disposal shafts, a former waste treatment plant, and cement paste spills on the surface and within the retrievable waste storage area.	2

Current Safety Basis: DSA is under development

Laboratory Documents	DOE Documents
Subject: Initial Categorization of Environmental Sites, November 21, 2003 RRES-DO:03-138 (Memo requests categorization of the PRS sites)	*Subject: New Categorization of Existing Nuclear Facilities at LANL, November 26, 2003* (Memo concurs with the categorizations)

TABLE 6-10. LANL PRS 35-001 (MDA W) Summary

SITE: **LANL**		
CSO: EM	FACILITY: **PRS 35-001 (MDA W Sodium Storage Tanks)** RESPONSIBLE DIVISION LEADER: RRES FACILITY MANAGEMENT UNIT: 8	HAZ CAT: **3**

ZONE	PRS	DESCRIPTION	HAZ. CAT.
TA-35	35-001	MDA W consists of two vertical shafts or "tanks" that were used for the disposal of sodium coolant used in LAMPRE-1 sodium cooled research reactor. The two tanks are 125 ft long stainless steel tubes that were half filled and inserted into carbon steel casings separated by approximately 3 ft. Until 1980, a metal control shed was located above the tanks, but this feature was removed and replaced with a concrete cover. The predominant radionuclide of concern in the Sodium is Pu-239 that may have been introduced from a breach of one or two fuel elements during the operational life of LAMPRE-1.	3

Current Safety Basis: DSA is under development

Laboratory Documents	DOE Documents
Subject: Initial Categorization of Environmental Sites, November 21, 2003 RRES-DO:03-138 (Memo requests categorization of the PRS sites)	*Subject: New Categorization of Existing Nuclear Facilities at LANL, November 26, 2003* (Memo concurs with the categorizations)

TABLE 6-11. LANL PRS 35-003(a)-99 Summary

SITE: **LANL**		
CSO: **EM**	FACILITY: **PRS 35-003(a)-99 (Wastewater treatment plant (WWTP))** RESPONSIBLE DIVISION LEADER: RRES FACILITY MANAGEMENT UNIT: 8	HAZ CAT: **3**

ZONE	PRS	DESCRIPTION	HAZ. CAT.
TA-35	35-003(a)-99	The WWTP was located at the east end of Ten Site Mesa and operated from 1951 until 1963. It consisted of an array of underground waste lines, storage tanks, and chemical treatment precipitation tanks. The plant treated liquid waste that originated from the radiochemistry laboratories and operation of the radioactive lanthanum-140 hot cells in Bldg 35-2. The liquid wastes from the laboratories were acidic, and the radioactivity in the waste came from barium-140, lanthanum-140, strontium-89, strontium-90, and yttrium-90.	3

Current Safety Basis: DSA is under development

Laboratory Documents	DOE Documents
Subject: Initial Categorization of Environmental Sites, November 21, 2003 RRES-DO:03-138 (Memo requests categorization of the PRS sites)	*Subject: New Categorization of Existing Nuclear Facilities at LANL, November 26, 2003* (Memo concurs with the categorizations)

TABLE 6-12. LANL PRS 35-003(d)-00 Summary

SITE: **LANL**		
CSO: **EM**	FACILITY: **PRS 35-003(d)-00 (Wastewater treatment plant – Pratt Canyon)** RESPONSIBLE DIVISION LEADER: RRES FACILITY MANAGEMENT UNIT: 8	HAZ CAT: **3**

ZONE	PRS	DESCRIPTION	HAZ. CAT.
TA-35	35-003(d)-00	The former structures associated with the Pratt Canyon component of the WWTP. All buildings, foundations, and structures were removed during D&D activities in 1981 and 1985, then backfilled with 20 ft of clean fill material.	3

Current Safety Basis: DSA is under development

Laboratory Documents	DOE Documents
Subject: Initial Categorization of Environmental Sites, November 21, 2003 RRES-DO:03-138 (Memo requests categorization of the PRS sites)	*Subject: New Categorization of Existing Nuclear Facilities at LANL, November 26, 2003* (Memo concurs with the categorizations)

TABLE 6-13. LANL PRS 49-001(a)-00 (MDA AB) Summary

SITE: **LANL**		
CSO: **EM**	FACILITY: **PRS 49-001(a)-00 (MDA AB)** RESPONSIBLE DIVISION LEADER: RRES FACILITY MANAGEMENT UNIT: 8	HAZ CAT: **2**

ZONE	PRS	DESCRIPTION	HAZ. CAT.
TA-49	49-001(a)-00	This underground, former explosive test site comprises four distinct areas, each with a series of deep shafts used for subcritical testing. Radioactively contaminated surface soil exists at one of the test areas [SWMU 49-001(g)].	2

Current Safety Basis: DSA is under development

Laboratory Documents	DOE Documents
Subject: Initial Categorization of Environmental Sites, November 21, 2003 RRES-DO:03-138 (Memo requests categorization of the PRS sites)	*Subject: New Categorization of Existing Nuclear Facilities at LANL, November 26, 2003* (Memo concurs with the categorizations)

TABLE 6-14. LANL TA-50 Radioactive Waste Treatment Facility Summary

SITE: **LANL**		
CSO: **DP**	FACILITY: **TA-50 Radioactive Liquid Waste Treatment Facility (RLWTF)** RESPONSIBLE DIVISION LEADER: FWO FACILITY MANAGEMENT UNIT: 6	HAZ CAT: **3**

ZONE	BUILDING	DESCRIPTION	HAZ. CAT.
TA-50	0001	Main treatment plant, pretreatment plant, decontamination operation	3
TA-50	0002	Low level liquid influence tanks, treatment effluent tanks, low level sludge tanks	3
TA-50	0066	Acid and Caustic waste holding tanks	3
TA-50	0090	Holding tank	3

Current Safety Basis: SAR (safety analysis only controls have been superseded by the ITSRs), DOE SER approval dated 12/26/95. Interim TSRs, DOE approval dated 3/16/99.

Laboratory Documents	DOE Documents
TA-50 Waste Management Operations, Safety Analysis Report, Volume I, Information Common to All Facilities, WASTE MGMT- REPORT- 002, R. 0, October 1995.	Safety Evaluation Report for Los Alamos National Laboratory Technical Area 50 Radioactive Liquid Waste Treatment Facility SAR/TSRs, November 1995.
Final Safety Analysis Report for Radioactive Liquid Waste Treatment Facility at TA-50-1, Information Specific to the Radioactive Liquid Waste Treatment Facility, Volume III, LW- CST- 13- AP13- R0, October 1995.	Memorandum from Twining (AL) to Kirkman (LAAO), Approval of Safety Analysis Report (SAR)/Technical Safety Requirements (TSRs) for LANL TA-50-1, Radioactive Liquid Waste Treatment Facility (RLWTF), December 26, 1995.
Criticality Safety Evaluation of the Tubular Cross Flow Filtration System at TA-50, ESH-6-98-096, December 15, 1998.	
TA-50 Hazard Category Classification, RLW-CALC-001, December 17, 1998.	
TA-50 Hazard Category, EM-SWO:98-203, December 17, 1998.	Memorandum from Gurulé (LAAO) to Baca (LANL), Change to Nuclear Hazard Classification of the Radioactive Liquid Waste Treatment Facility (RLWTF), TA-50-1, 2, 66, 90 and Plan Forward on Restart, December 17, 1998.
Interim Technical Safety Requirements (ITSRs) Radioactive Liquid Waste Treatment Facility TA-50: Buildings 1,2, 66, 90, and 114, AP- FMU84- 02, R. 0, March 16, 1999.	Memorandum from Gurulé (LAAO) to Baca (LANL), Conditional Approval of Interim Technical Safety Requirements (ITSRs) for the Radioactive Liquid Waste Treatment Facility (RLWTF) Located at TA-50- 1, -2, -66, and –114, dated March 16, 1999.

TABLE 6-15. LANL TA-50 Waste Characterization Reduction and Repackaging Facility Summary

SITE: **LANL**		
CSO: **DP**	FACILITY: **TA-50 Waste Characterization Reduction and Repackaging Facility (WCRRF)** RESPONSIBLE FACILITY MANAGER: FWO FACILITY MANAGEMENT UNIT: 6	HAZ CAT: **2**

ZONE	BUILDING	DESCRIPTION	HAZ. CAT.
TA-50	0069	Waste characterization, reduction, and repackaging facility	3
TA-50	External	NDA mobile activities outside TA-50-69	2
TA-50	External	Drum staging/storage pad and waste container temperature equilibration activities outside TA-50-69	2

Current Safety Basis: DOE SER approval memo of 3/16/00 approved ITSR and HA as a BIO. DOE SER extended to 8/30/02.

Laboratory Documents	DOE Documents
Corrective Action Plan (CAP) for the Waste Characterization, Reduction, and Repackaging Facility (WCRRF) Basis for Interim Operations (BIO) and Technical Safety Requirements (TSRs), November 5, 2003 (From T. Stanford to C. Steele)	
	Procurement of an Additional Glove Box for installation at the Waste Characterization, Reduction, and repackaging Facility (WCRRF), October 30, 2003 (From C. Steele to H. Le-Doux)
	National Nuclear Safety Administration (NNSA) Review of the Waste Characterization, Reduction, and repackaging Facility (WCRRF) Basis for Interm (BIO) and Technical Safety Requirements (TSRs), October 2, 2003 (From C. Steele to A Stanford & D. McLain)
LANL Memorandum PA-OAB: 02-001, D. Post, PA-DO to C. Steele, OLASO/SABM, Subject: Request for Approval Concerning Safety Basis Documents, dated April 12, 2002.	SER dated March 16, 2000, for WCCRF BIO/ITSR is extended to August 30, 2002. Ref: D. Post to C. Steele memorandum, Subject: Request for Approval concerning Safety Basis Documents, dated April 12, 2002. NNSA provided concurrence.
WCRR Facility Interim Safety Requirements (ITSR) Annual Update, C-FM-01-21, Rev. 1, 3/9/01.	
	Memorandum from Zamora (LAAO) to Sattelberger (LANL), Startup of the Waste Characterization, Reduction, and Repackaging (WCRR) Facility Operations at Technical Area 50, Building 69 (TA-50-69), 1/18/01.

WCRR Facility ITSR Proposed Change, C-FM:01-003, 1/03/01.	Memorandum from Gurulé (LAAO) to Sattelberger (LANL C-DO), Approval of WCRR Facility ITSR Change Proposal, 1/11/01. Memorandum from David Gurulé (LAAO) to Sattelberger (LANL C-DO), Closure of Conditions of Approval (CA) 5 and 6 in the Safety Evaluation Report (SER) for the Waste Characterization Reduction, and Repackaging Facility (WCRRF) Interim Technical Safety Requirements (ITSR) and Hazard Analysis (HA), CST-25-WCRR-ITSR-004, Revision 1. Memorandum from Steele (LAAO) to Sattelberger (LANL), Transmittal of Safety Evaluation Report (SER) for the Waste Characterization, Reduction, and Repackaging Facility (WCRRF) Interim Technical Safety Requirements (ITSR) and Hazard Analysis, March 16, 2000.
Waste Characterization, Reduction, and Repackaging Facility (WCRRF) Interim Technical Safety Requirements (ITSRs), TA-50- 69, CST-25-WCRR-ITSR-004, Rev. 0, February 15, 2000. (Includes a Hazard Analysis)	*Safety Evaluation Report (SER) for Waste Characterization, Reduction, and Repackaging Facility (WCRRF) Interim Technical Safety Requirements (ITSRs), TA-50-69*, Rev. 0, February 15, 2000, March 13, 2000. (ITSRs/ HA approved as a BIO)

TABLE 6-16. LANL PRS 50-009 (MDA C) Summary

SITE: **LANL**		
CSO: **EM**	FACILITY: **PRS 50-009 (MDA C)** RESPONSIBLE DIVISION LEADER: RRES FACILITY MANAGEMENT UNIT: 6	HAZ CAT: **2**

ZONE	BUILDING	DESCRIPTION	HAZ. CAT.
TA-50	PRS 50-009	MDA C was established in 1948 to replace MDA B. MDA C covers 11.8 acres and consists of 7 pits (four are 610 ft x 40 ft x 25 ft, one is 110 ft x 705 ft x 18 ft, one is 100 ft x 505 ft x 25 ft, and one 25 ft x 180 ft x 12 ft), 107 shafts (each typically 2 ft dia. x 10-25 deep), and one unnumbered shaft used for a single strontium-90 source disposal. Pits and shafts were used for burial of hazardous chemicals, uncontaminated classified materials, and radioactive materials. TRU waste also was buried in unknown quantities in the pits. The landfill was used until 1974. COCPCs included inorganic chemicals, VOCs, SVOCs, and radionuclides.	2

Current Safety Basis: DSA is under development

Laboratory Documents	DOE Documents
Subject: Initial Categorization of Environmental Sites, November 21, 2003 RRES-DO:03-138 (Memo requests categorization of the PRS sites)	*Subject: New Categorization of Existing Nuclear Facilities at LANL, November 26, 2003* (Memo concurs with the categorizations)

TABLE 6-17. LANL TA-53 Nuclear Activities at Los Alamos Neutron Science Center Summary

SITE: **LANL**		
CSO: **DP**	FACILITY: **TA-53 Nuclear Activities at Los Alamos Neutron Science Center (LANSCE)** RESPONSIBLE FACILITY MANAGER: LANSCE FACILITY MANAGEMENT UNIT: 4	HAZ CAT: **3**

ZONE	BUILDING	DESCRIPTION	HAZ. CAT.
TA-53	IL Target	Lujan Center Neutron Production Target	3
TA-53	Lujan Center ER-1/2	Actinide scattering experiments	3
TA-53	Area A-6	In-place storage DU and A-6 beam stop	3

Current Safety Basis: DOE SER of 3/22/00 for IL BIO extended to April 4, 2004. BIO for Actinide, SER approval dated 10/29/01; BIO for in place storage of activated components in Area A East; SER approval dated 4/6/02. BIOs for 1L Target, Actinide, and Area A are 10 CFR 830, Subpart B compliant.

Laboratory Documents	DOE Documents
Basis for Interim Operation (BIO) for the 1L Target 2000 –2002 Beam Delivery Periods, BIO- 53- 004, Rev. 2, dated March 14, 2000. (Note: TSR included as Chapter 5 to this document)	*Safety Evaluation Report (SER) for the LANSCE (TA-53) 1L Target-BIO*, Rev. 2, March 22, 2000. SER dated 3/22/00 for IL BIO extended to April 4, 2004, and IL Target BIO of 3/22/00 is endorsed to be 10 CFR 830, Subpart B compliant. Ref: D. Post to C. Steele memorandum, Subject: Request for Approval concerning Safety Basis Documents, dated April 12, 2002. NNSA provided concurrence.
Basis for Interim Operation for Experiments on Neutron Scattering by Actinides at the Manuel Lujan Jr. Neutron Scattering Center (Lujan Center) Los Alamos National Laboratory, LANL TA-53-BIO-005, Rev. 2, dated September 17, 2001.	*Safety Evaluation Report Basis for Interim Operation for Experiments on Neutron Scattering by Actinides at the Manuel Lujan, Jr. Neutron Scattering Center*, LANL TA-53-BIO-005, Rev. 2, dated October 29, 2001. LANSCE Actinide BIO of 10/29/01 is endorsed to be 10 CFR 830, Subpart B compliant. Ref: D. Post to C. Steele memorandum, Subject: Request for Approval concerning Safety Basis Documents, dated April 12, 2002. NNSA provided concurrence.

Basis for Interim Operations for Storing Activated Components in Los Alamos Neutron Science Center (LANSCE) Building 53-3 Sector M "Area A East", TA-53-BIO-05.0, dated April 6, 2002.	DOE/LAAO Memorandum SABM A6 LANSCE BIO Approval, C. Steele to P. Lisowski, LANSCE-DO, Subject: Approval and Safety Evaluation Report (SER) for the Basis for Interim Operations (BIO) for the LANSCE in Place Storage Operations in Building 53-3, Sector M "East Area" dated April 6, 2002. LANSCE Area A (A-6) BIO of 10/29/01 is endorsed to be 10 CFR 830, Subpart B compliant. Ref: D. Post to C. Steele memorandum, Subject: Request for Approval concerning Safety Basis Documents, dated April 12, 2002. NNSA provided concurrence.
LANL letter from D. Seely, LANSCE-FM to C. Steele, NNSA/OLASO/SABM, Subject: Request for Closure on the Justification for Operation (JCO) for Los Alamos Neutron Science Center (LANSCE) Weapons Neutron Research (WNR) Facility - Target 4, dated June 11, 2002. (Downgrade WNR to radiological facility)	DOE/NNSA/OLASO Memorandum, Subject: Closure of JCO for Los Alamos Neutron Science Center (LANSCE) Weapons Neutron Research (WNR) Facility - Target 4 and Removal from Nuclear Facilities List, dated July 19, 2002.
LANL Memorandum FWO-OAB:01-025, Subject: Notification to DOE of Nuclear Facilities that Comply with 10 CFR 830, Subpart B, April 1, 2001.	DOE/LAAO/SABT/RXT Memorandum, Notification of Nuclear Facilities Complying with 10 CFR 830, Subpart B, May 17, 2001.

TABLE 6-18. LANL PRS 53-006(b)-99 Summary

SITE: **LANL**		
CSO: **EM**	FACILITY:PRS **53-006(b)-99 (Underground tank with spent resins)** RESPONSIBLE DIVISION LEADER: RRES FACILITY MANAGEMENT UNIT: 4	HAZ CAT: **2**

ZONE	PRS	DESCRIPTION	HAZ. CAT.
TA-53	53-006(b)-99	Three inactive underground tanks associated with the former radioactive liquid waste system at TA-53. One tank (Structure 53-59) is 28 in dia x 65 ft long and contains spent ion exchange resin. Two empty tanks are 6 ft dia x 12 ft long and are not included here.	2

Current Safety Basis: DSA is under development

Laboratory Documents	DOE Documents
Subject: Initial Categorization of Environmental Sites, November 21, 2003 RRES-DO:03-138 (Memo requests categorization of the PRS sites)	*Subject: New Categorization of Existing Nuclear Facilities at LANL, November 26, 2003* (Memo concurs with the categorizations)

TABLE 6-19. LANL TA-54 Waste Storage and Disposal Facility Summary

SITE: **LANL**		
CSO: **DP**	FACILITY: **TA-54 Waste Storage and Disposal Facility (Area G)** RESPONSIBLE DIVISION LEADER: FWO FACILITY MANAGEMENT UNIT: 6	HAZ CAT: **2**

ZONE	BUILDING	DESCRIPTION	HAZ. CAT.
TA-54	Area G	Low level waste (LLW) (including mixed waste) storage and disposal in domes, pits, shafts, and trenches. TRU waste storage in domes and shafts (does not include TWISP). TRU legacy waste in pits and shafts. Low level disposal of asbestos in pits and shafts. Operations building; TRU waste storage.	2

Current Safety Basis: DSA and TSR transmitted by LANL Memo WFM 03-050; DOE SER SABT:NS:112703.

Laboratory Documents	DOE Documents
Memo: Page Change to TA-54 Area G TSRs, FWO-DO:03-121, December 23, 2003	Memo: Change Pages to TA-54 Area G TSRs, SABT:NS:010704
Memorandum: Transmittal of DSA and TSRs, FWO-WFM 03-050, April 9, 2003	Memorandum: Technical Area 54 (TA-54) Area G Safety Evaluation Report, SABT:NS:112703, November 28, 2003
TA-54 Area G Documented Safety Analysis (DSA), LANL ABD-WFM-001, R.0	
TA-54 Area G Technical Safety Requirements (TSR), LANL AWB-WFM-002, R.0	
Safety Analysis Report (SAR) for TA-54, Area G, CST14G- REPORT- 003, R. 0, August 30, 1995.	*Safety Evaluation Report for Los Alamos National Laboratory Technical Area 54, Area G Facility FSAR/ TSR*, September 1995.
Technical Safety Requirements (TSRs) for TA-54, Area G, CST14G- REPORT- 009, R. 0, August 30, 1995.	Memorandum from Twining (AL) to Kirkman (LAAO), *Approval of Safety Analysis Report (SAR)/ Technical Safety Requirements (TSRs) for Los Alamos National Laboratory (LANL) TA- 54, Area G*, Los Alamos, New Mexico, September 19, 1995.

TABLE 6-20. LANL Transuranic Waste Inspectable Storage Project Summary

SITE: **LANL**		
CSO: **DP**	FACILITY: **TA-54 Transuranic Waste Inspectable Storage Project (TWISP)** RESPONSIBLE DIVISION LEADER: FWO FACILITY MANAGEMENT UNIT: 6	HAZ CAT: **2**

ZONE	BUILDING	DESCRIPTION	HAZ. CAT.
TA-54	Pad 2	Recovery of buried TRU waste	2
TA-54	0033	TRU waste storage, fabric dome with TRU waste drum	2

Current Safety Basis: BIO and TSR, DOE/LAAO SER dated June 26, 2000. 10 CFR 830, Subpart B compliant. TWISP BIO/SER extended to April 4, 2004.

Laboratory Documents	DOE Documents
LANL Memorandum PA-OAB: 02-001, D. Post, PA-DO to C. Steele, OLASO/SABM, Subject: Request for Approval Concerning Safety Basis Documents, dated April 12, 2002.	TWISP BIO extended to April 4, 2004. Ref: D. Post to C. Steele memorandum, Subject: Request for Approval concerning Safety Basis Documents, dated April 12, 2002. NNSA provided concurrence.
LANL Memorandum FWO-OAB:01-025, Subject: Notification to DOE of Nuclear Facilities that Comply with 10 CFR 830, Subpart B, April 1, 2001.	DOE/LAAO/SABT/RXT Memorandum, Notification of Nuclear Facilities Complying with 10 CFR 830, Subpart B, May 17, 2001.
Hazards Analysis for Criticality at the Transuranic Waste Inspectable Storage Project, ESH-6-00-062, August 22, 2000.	DOE Approval of the TWISP Criticality Safety Evaluation SABT:3TW-027, Sept 21, 2000, and Attachment 1 of this Memo.
Technical Safety Requirements (TSRs) Transuranic Waste Inspectable Storage Project (TWISP) PAD 2, REPORT-TWISP-002, R.0, dated April 24, 2000.	
Basis for Interim Operations for the Transuranic Waste Inspectable Storage Project, Technical Area 54, REPORT-TWISP-001, April 24, 2000.	DOE/AL/LAAO, SABT:4TW-003, Transmittal of DOE Safety Evaluation Report (SER) for the Documents: TWISP-BIO-Rev. 0 (April 24, 2000) and TWISP-TSR-Rev. 0 (April 24, 2000), June 26, 2000.

TABLE 6-21. LANL TA-54 Radioactive Assay Nondestructive Testing Facility Summary

SITE: **LANL**		
CSO: **DP**	FACILITY: **TA-54 Radioactive Assay Nondestructive Testing (RANT) Facility** RESPONSIBLE DIVISION LEADER: FWO FACILITY MANAGEMENT UNIT: 6	HAZ CAT: **3**

ZONE	BUILDING	DESCRIPTION	HAZ. CAT.
TA-54	0038	Nondestructive assay and examination of waste drums, WIPP certification of TRU waste drums, TRUPACT loading of drums	3

Current Safety Basis: BIO dated 5/30/2003, TSRs dated 12/11/03, and DOE SER SABT/RCJ.03.12.16: SABM Steele dated 12/23/2003

Laboratory Documents	DOE Documents
Basis for Interim Operations for the Radioassay and Nondestructive Testing (RANT), TA-54-38, ABD-WFM-007, R.0, May 30, 2003	Memorandum: Technical Area TA-54-38, Radioassay and Nondestructive Testing (RANT), Safety Evaluation Report, SABT/RCJ.03.12.16: SABM Steele, December 23, 2003
Technical Safety Requirements (TSRs) for the Radioassay and Nondestructive Testing (RANT) Site, ABD-WFM-008, R.0, December 11, 2003	
LANL Memorandum: Subject RANT DSA/TSR Implementation Plan, FWO-WFM 03-120, September 29, 2003	DOE Memorandum: Subject Extension of Date for Operation of the Radioassay and Nondestructive (RANT) Facility, SABT/RCJ.03.97: SABM Steele, October 29, 2003
LANL Memorandum FWO-OAB:01-025, Subject: Notification to DOE of Nuclear Facilities that Comply with 10 CFR 830, Subpart B, April 1, 2001.	DOE/LAAO/SABT/RXT Memorandum, Notification of Nuclear Facilities Complying with 10 CFR 830, Subpart B, May 17, 2001.
Safety Assessment, Los Alamos National Laboratory Radio assay and Nondestructive Testing (RANT) Facility, TA-54 West, Rev. 4, February 1998.	Memorandum from Le-Doux (LAAO) to Gancarz (LANL), Approval of revised safety assessment for the Radioassay and Nondestructive Testing (RANT) Facility, TA-54-38, February 12, 1998.

TABLE 6-22. LANL PRS 54-004 (MDA H) Summary

SITE: **LANL**		
CSO: **EM**	FACILITY: PRS **54-004 (MDA H)** RESPONSIBLE DIVISION LEADER: RRES FACILITY MANAGEMENT UNIT: 6	HAZ CAT: **3**

ZONE	**PRS**	**DESCRIPTION**	**HAZ. CAT.**
TA-54	54-004	MDA H is a 0.3 acre site on Mesita del Buey that contains nine inactive shafts that were used for disposal of LANL waste. Each shaft is 6 ft dia x 60 ft deep.	3

Current Safety Basis: DSA is under development

Laboratory Documents	**DOE Documents**
Subject: Initial Categorization of Environmental Sites, November 21, 2003 RRES-DO:03-138 (Memo requests categorization of the PRS sites)	*Subject: New Categorization of Existing Nuclear Facilities at LANL, November 26, 2003* (Memo concurs with the categorizations)

TABLE 6-23. LANL TA-55 Plutonium Facility Summary

SITE: **LANL**		
CSO: **DP**	FACILITY: **TA-55 Plutonium Facility** RESPONSIBLE DIVISION LEADER: NMT FACILITY MANAGEMENT UNIT: 7	HAZ CAT: **2**

ZONE	BUILDING	DESCRIPTION	HAZ. CAT.
TA-55	4	Pu glovebox lines; processing of isotopes of Pu	2

Current Safety Basis: IFIT Facility SAR, DOE SER approval dated 6/19/96. TA-55 SAR, DOE SER approval dated 1/13/97. ARIES SAR Addendum, DOE approval dated 9/28/98. TA-55 TSRs, DOE approval dated 10/29/99. 10 CFR 830, Subpart B compliant.

Laboratory Documents	DOE Documents
TA-55 Technical Safety Requirements, LA-CP-02-120, Rev. 0 dated April 2002.	
TA-55 Final Safety Analysis Report, LA-CP-95-169, Rev. 1 dated April 2002.	
LANL Memorandum FWO-OAB:01-025, Subject: Notification to DOE of Nuclear Facilities that Comply with 10 CFR 830, Subpart B, April 1, 2001.	DOE/LAAO/SABT/RXT Memorandum, Notification of Nuclear Facilities Complying with 10 CFR 830, Subpart B, May 17, 2001.
TA-55 Technical Safety Requirements, TA-55-PED-108-01.1, Revision 1, August 13, 1999.	Memorandum from Steele (LAAO) to Christensen (LANL), Approval of TA-55 Technical Safety Requirements.
Advanced Recovery and Integrated Extraction System (ARIES) Project Hazard Analysis and Required Safety Controls FSAR Addendum, September 28, 1998.	Memorandum from Gurulé (LAAO) to Matthews (LANL), Approval of AIRES Project Hazard Analyses and Required Safety Controls, September 28, 1998.
	Memorandum from Reis (DP- 1) to Manager, Albuquerque Operations Office, Transmittal of Approval of the Safety Evaluation Report for the Los Alamos National Laboratory, Technical Area-55, and Plutonium Facility, January 13, 1997.
TA-55 Final Safety Analysis Report, TA-55-PRD-108-01.1, August 16, 1996.	*Safety Evaluation Report of the Los Alamos National Laboratory Technical Area 55 Plutonium Building-4, Safety Analysis Report and Technical Safety Requirements*, December 1996.
TA-55 Final Safety Analysis Report, TA-55-PRD-108-01.1, August 16, 1996.	*Safety Evaluation Report of the Los Alamos National Laboratory Technical Area 55 Plutonium Building-4, Safety Analysis Report and Technical Safety Requirements*, December 1996.
	Memorandum from Twining (AL) to Todd (LAAO), Approval of the Final Safety Analysis Report (FSAR), Supplement for the Isotopic Fuels Impact Test (IFIT) Facility and Revised Operational Safety Requirements (OSRs) at TA-55, June 19, 1996.

Isotopic Fuel Impact Test (IFIT) Facility FSAR Supplement, Rev. 3, dated May 31, 1996.	*Safety Evaluation Report for Los Alamos National Laboratory TA-55 Final Safety Analysis Report Supplement and Operational Safety Requirements Revision Isotopic Fuel Impact Test (IFIT) Facility*, June 1996.

TABLE 6-24. LANL Site Wide Transportation Activities

SITE: **LANL**		
CSO: **DP**	FACILITY: **Site Wide Transportation** RESPONSIBLE DIVISION LEADER: SUP-DO FACILITY MANAGEMENT UNIT: FWO-DDL	HAZ CAT: **2**

ZONE	BUILDING	DESCRIPTION	HAZ. CAT.
Site Wide		Laboratory nuclear materials transportation	2

Current Safety Basis: TSD (TSRs included as Appendix A) submitted to NNSA for approval 8/16/02 (TSD IAW DOE O 460.1)

Laboratory Documents	DOE Documents
Los Alamos National Laboratory Transportation Safety Document, BUS4-SA-002, R0, dated August 13, 2002. (contains TSR as Appendix A)	